Eta Kappa Nu
Lambda Zeta Chapter
2020 - 2021 Annual Report

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Service

Lambda Zeta members are dedicated to helping bring forth opportunities that aim to advance fellow students towards their goals and aspirations. Our chapter actively seeks out ways to better our local community. Throughout the year we focused on serving our UNT community along with our local community.

This year's activities included fundraisers for our IEEE societies, Future Innovator's Workshop (STEM Outreach), Recitations, Study Halls, advising, and multiple workshops.

Future Innovator's Workshop

Lambda Zeta officers fundraised, organized, and ran a virtual STEM outreach event that reached more than 85, K-12 students all around the United States starting on 2/20 and 2/21. We assembled a kit, developed a manual, and provided instructional workshops even after The Great Texas Freeze plunged Texas into sub-zero weather the prior weeks.

We had to contend with ice and snow, rolling power outages, and bursting water pipes that fried computers, yet we still persevered and put on the workshop for the kids. Due to the February power outages we added 4 additional sessions to accommodate students that were unable to attend. Post event feedback was great, emphasizing the quality of the session, kit, and workbook.

Chipotle Fundraiser

Lambda Zeta and IEEE UNT members organized a fundraiser with proceeds contributed to the future innovators workshop. Students, faculty, and staff of UNT came to support our efforts over burritos and bowls!

Join us at our restaurant for a fundraiser to support UNT IEEE. Just come in to the Chipotle at **2735 W University Dr Ste 1051** in Denton on **Wednesday, February 3rd** from **5:00pm** to **9:00pm**. Bring in this flyer, show it on your smartphone or tell the cashier you're supporting the cause to make sure that 33% of the proceeds will be donated to UNT IEEE.

NEW! ORDER ONLINE FOR PICKUP

Use code Y7MFCXD before checkout in 'promo' field. Orders placed on Chipotle.com or through the Chipotle app for pickup using this unique code will be counted towards the fundraiser.

All online orders must be placed for pickup at the same time/location of the fundraiser. Delivery cannot be counted at this time. Gift card purchases during fundraisers do not count towards total donated sales, but purchases made with an existing gift card will count. $150 minimum event sales required to receive any donation.

Mellow Mushroom Fundraiser

HKN Lambda Zeta and IEEE UNT members organized a fundraising event at Mellow Mushroom. UNT students, faculty, staff, and their families got to enjoy pizza and drinks via takeout or dine in at Mellow Mushroom, knowing that they were giving to help fund the IEEE UNT RAS team's efforts at the Region 5 competition!

217 E Hickory St, Denton, TX 76201

IEEE Fundraiser
Come support IEEE UNT on March 31, 2021!

Recitation and Study Halls

Dedicated Lambda Zeta officers and members facilitated weekly hour-long virtual supplementary classes on the following topics: Digital Logic, Circuit Analysis, and Digital Signal Processing Design. Every week students were welcome to drop in to further their comprehension of the course material.

HKN Lambda Zeta Chapter and the IEEE UNT Student Branch collaborated to facilitate a virtual learning environment where students could drop in to work on assignments and consolidate their understanding. Study halls were hosted twice a week.
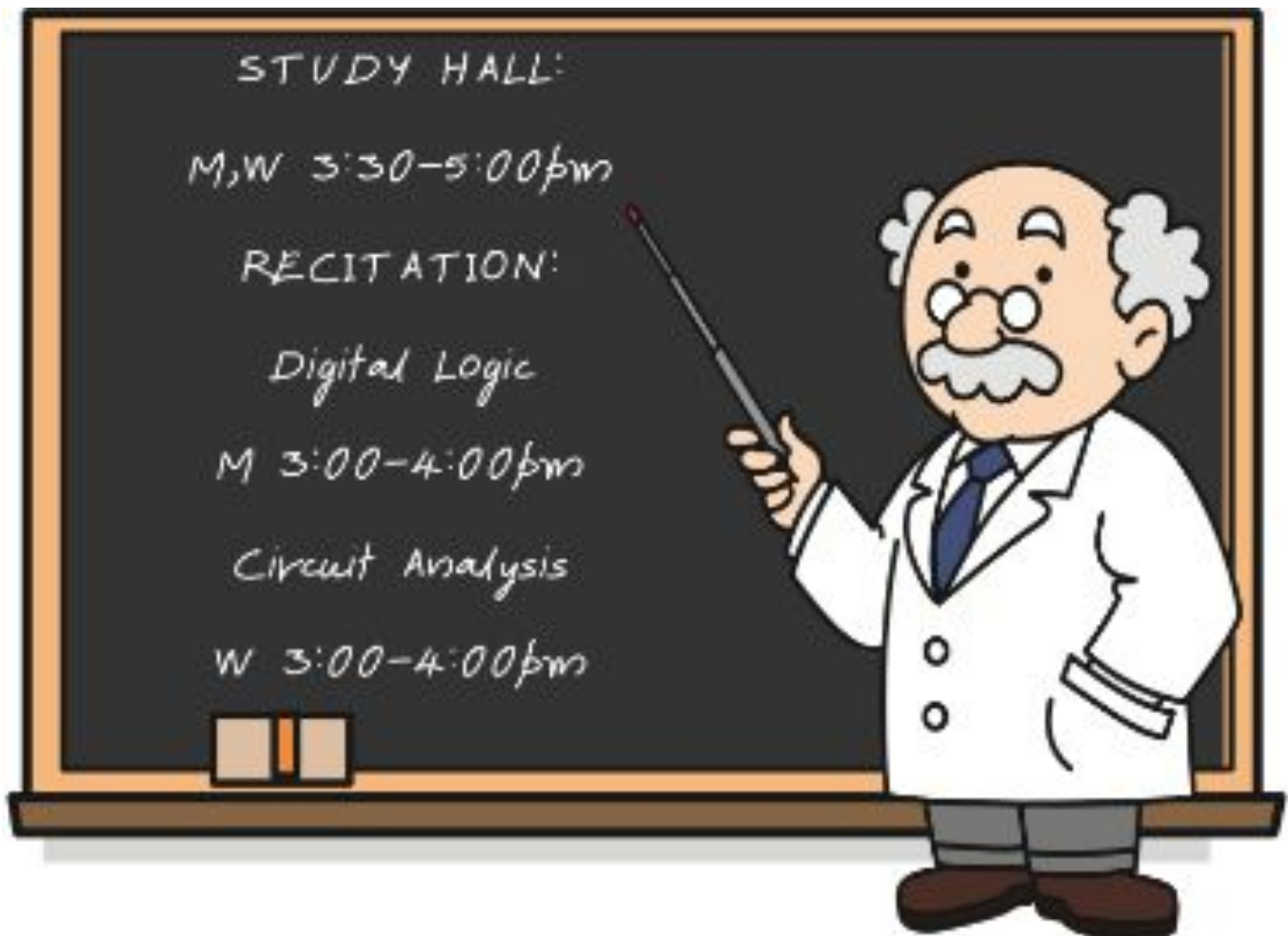
Introduction to Python and Linux

IEEE UNT RAS Chair and HKN Corresponding Secretary Nicholas Chiapputo hosted both the Linux and Python introductory workshops. Both of these events were open to all and fostered connections to future HKN members. The Linux workshop topics spanned introduction, history, advantages/disadvantages, distributions, and installation. The Python workshop covered installation, syntax, data types, input/output, libraries, and references.

Introduction to Microcontrollers

HKN Lambda Zeta Chapter and the UNT RAS collaborated to teach fellow students about microcontrollers. Topics included: introduction, instruction set, communication interfaces, Inputs/Outputs.
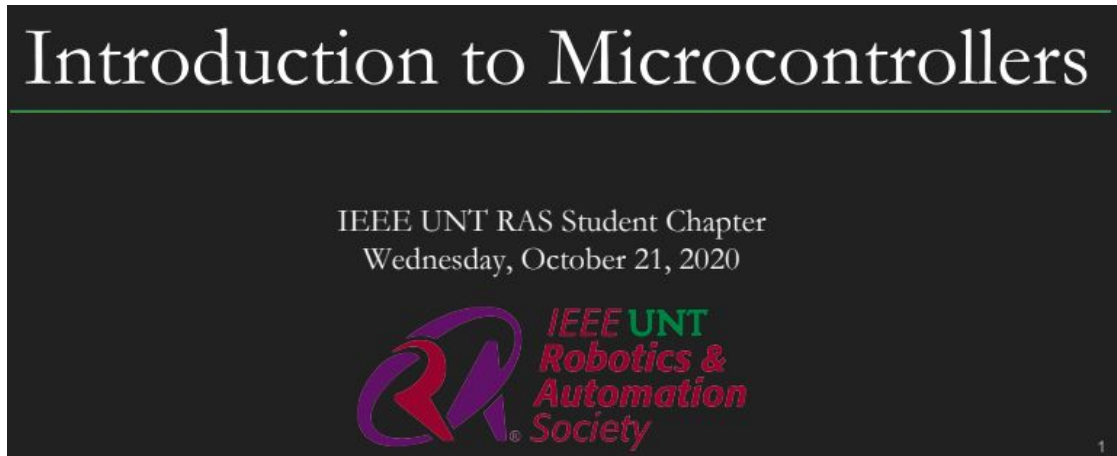

Senior Design Prep

Senior design is the last hurdle in the long academic journey for engineering students. Our officers compiled a presentation covering the process and pitfalls of senior design, targeted at rising seniors in preparation for the coming year-long course.

Student Orientation and Advising

College of Engineering

Undergraduate Academic Guidebook
2020-2021

Registration for college classes can be a daunting task for newcomers to the UNT College of Engineering. Our members provided valuable guidance to the incoming students in course selections for a successful academic career. Advising is also supplied constantly to our fellow classmates to the best of our ability, deferring when needed to the College of Engineering leadership, with whom we have a synergistic relationship.

BRAVO! YOU DID IT! exit(0);
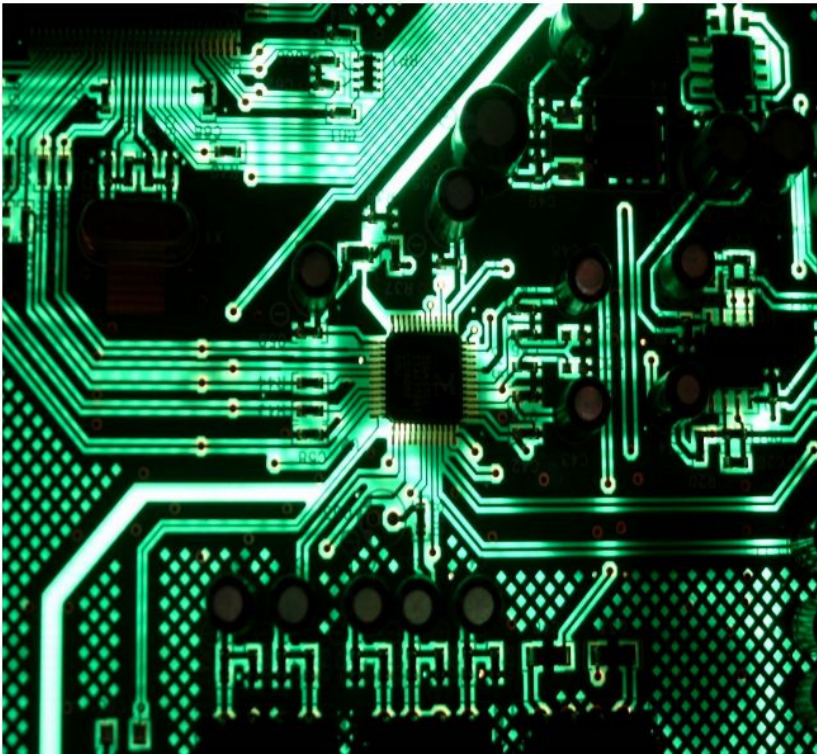
Professional Development

A goal of Eta Kappa Nu Lambda Zeta Chapter is to provide useful and interesting professional development opportunities to the student community at the University of North Texas. We welcome all students to participate!

This year's activities included many technical and career related talks during North Tech-SAS, LaTeX and Resume Workshops, and industry guest speakers.

North Tech-SAS

Sat 20	Sun 21	Mon 22	Tue 23	Wed 24	Thu 25	Fri 26	Sat 27
9:00am 10:30am *Special Address: UNT Chancellor Lesa Roe*	1:00pm 2:30pm 4:00pm *Special Address: UNT Chancellor Lesa Roe*		IEEE NTSAS Social 5:30-8pm	6pm *President PhaseCom Scott Trickey*	1pm Undergraduate Presentations	9am Graduate Presentations	10:30am Safe and Trusted Unmanned Air Transportation *UNT Professor Kamesh Namuduri*
6:30pm Boundless XR: Vision, Technology and Challenges *IEEE Fellow Chienchung Chang*			8pm *IEEE Fellow Toshio Fukuda*	7pm Implications of 5G-enabling technologies on Spectrum Sharing *U.S. Air Force Research Lab Jonathan Ashdown*	7pm Big Data, IoT, Enterprise Data Management and the New Data Requirements of Drones and Robotic Inspection Devices *IEEE Fellow John McDonald*	2pm Toward Fully Programmable, AI-driven, and Virtualized NextG Cellular Networks *IEEE Fellow Tommaso Melodia*	11:30am From the U.S. Navy to Mars; One Engineer's Journey *IEEE R3 Director Elect Theresa Brunasso*
						3:30pm *VP Operations Sonnet Software Brian Rautio*	12:30pm IEEE UNT Awards Reception *Special Address: UNT Engineering Dean Hanchen Huang*

North Tech-SAS 2021 held during Engineers Week ran from 2/20 to 2/27 with events on Saturday, Tuesday, Wednesday, Thursday, Friday, and the following Saturday with hour long talks by IEEE Life Fellows Toshio Fukuda and John McDonald, IEEE Fellows Chienchung Chang and Tommaso Melodia, IEEE Senior Members Kamesh Namuduri and Theresa Brunasso, and IEEE Members Jon Ashdown and Brian Rautio on a range of technical and professional topics. Most of these speakers are also HKN members.

North Tech-SAS

During Engineers Week, the Lambda Zeta Chapter hosted the annual student poster competition that awards prizes to the top undergraduate and graduate research, featuring participants from around the globe. The final event of the week is the culminating awards reception where IEEE UNT and HKN Lambda Zeta recognizes distinguished and exceptional individuals.

North Tech-SAS 2021

IEEE Students Advancing Society

Lambda Zeta Annual Poster Competition

HKN

Abstract Deadline: February 12 ,2021

https://forms.gle/tzbrqhzrDdtvAZ686

6 Prizes worth a total of at least $1500

Abstract submissions must be 500 words or fewer
The topic of the poster is open to all fields of engineering
Acceptance/denial notifications will be sent out 02/15/2021

The purpose of this competition is to demonstrate your research or showcase your project. There is no charge associated with entering the competition. Acceptance of an abstract is not guaranteed. Participation in competition does not exclude participation in any conference. Presentations for accepted projects will be presented remotely. Undergraduates and graduates will be judged separately. If competing in mixed groups consisting of both undergraduates and graduates, the team must compete at the graduate level. For questions, please email untieeehknsc@gmail.com.

North Tech-SAS

Garrett Cayce - Electric Chair
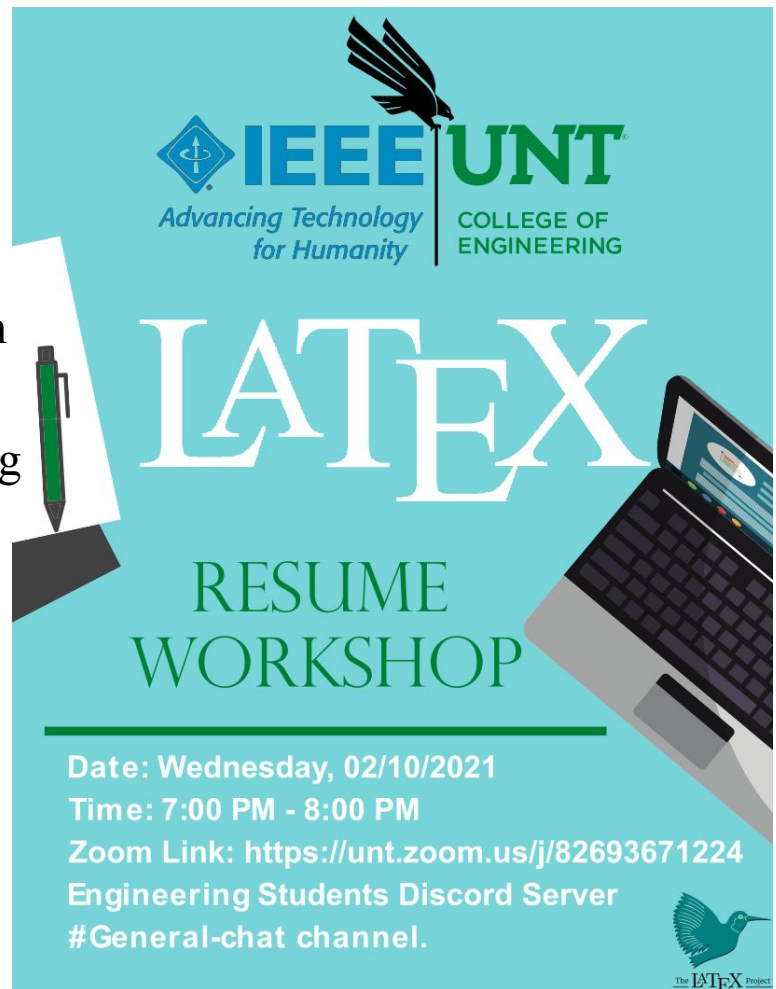

Chienchung Chang IEEE Fellow

North Tech-SAS
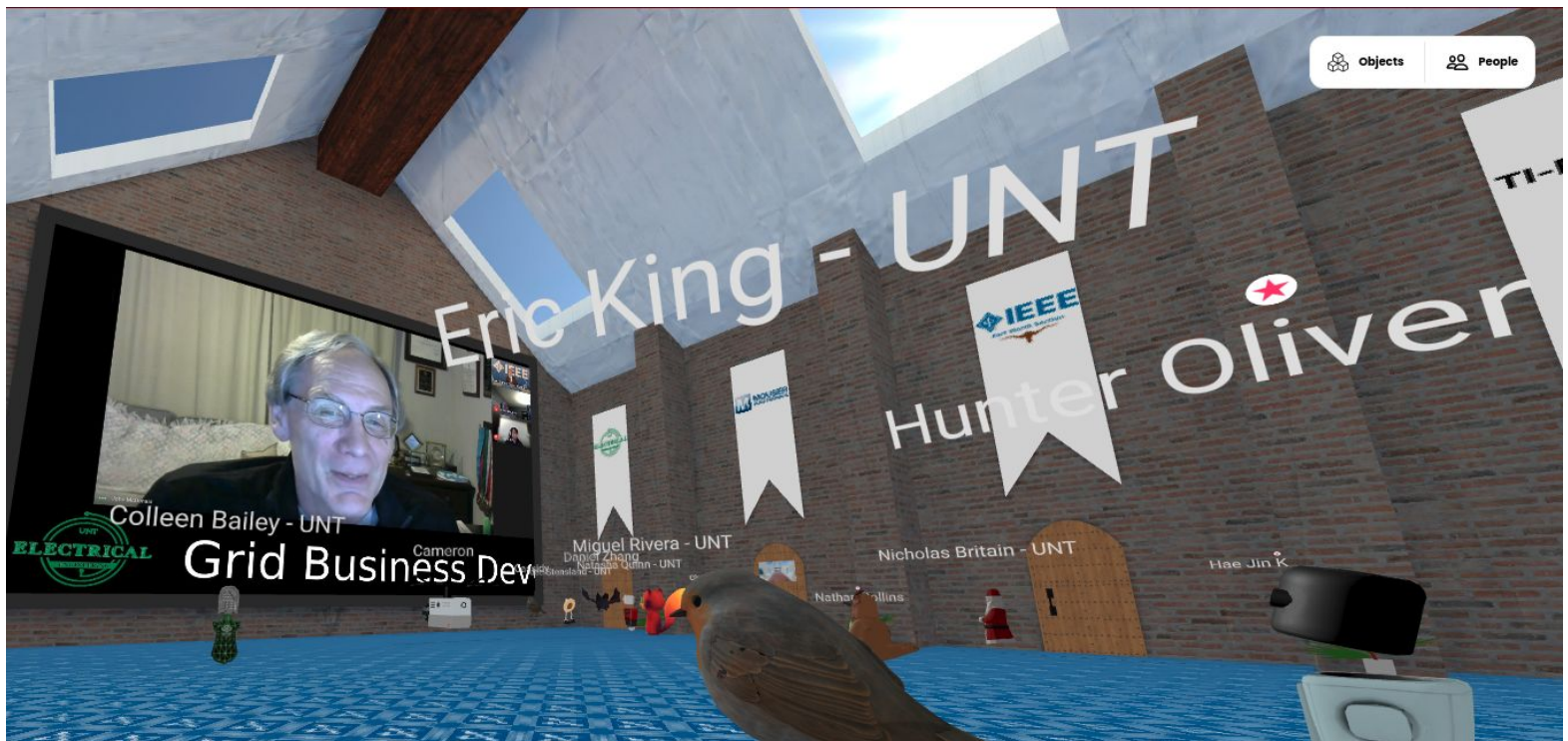
North Tech-SAS

LaTeX Workshop

Every semester HKN and the IEEE Student Branch host a workshop to give students an opportunity to learn LaTeX. The introductory subject matter focuses on the task of creating a professional resume, with tips and tricks shared by our more senior members. The event is always scheduled a few weeks before the UNT career fair, giving ample time for participants to work through the process as needed.

IEEE UNT
Advancing Technology for Humanity | **COLLEGE OF ENGINEERING**

LaTeX

RESUME WORKSHOP

Date: Wednesday, 02/10/2021
Time: 7:00 PM - 8:00 PM
Zoom Link: https://unt.zoom.us/j/82693671224
Engineering Students Discord Server
#General-chat channel.

Resume Workshop

IEEE Eta Kappa Nu
Lambda Zeta

Industry Resume Review / Q&A

Looking to apply for a career in engineering? Need guidance on how to shape your resume? Does your resume need an update? Come join us virtually on Mozilla hubs to get your resume reviewed!
We will have representatives from:
-NOKIA
-PhaseCom
-JMA Wireless

Date: Thursday, Feb 11th
Time: 7:00 PM - 9:00 PM
Registration: https://forms.gle/DwPidHH7kzJPzb1x9
Virtual Room: https://hubs.mozilla.com/4N9fzUQ/main-hall-1

Every semester HKN Lambda Zeta hosts an industry resume review panel consisting of industry professionals. They counsel students on resumes, interviews, and careers, giving our students a distinct advantage. Many of our participants have gotten internships and full time positions due to this event.

Industry Speaker:
Chad Kidder

HKN and IEEE welcomed Chad Kidder to speak on 'Engineering Your Career.' The topics discussed were career development, differences between various size companies, work-life balance, and other tips to make the most out of your work experiences.

Social

Lambda Zeta Chapter held many virtual events to engage with fellow students while learning remotely. These events offered our members a respite from school and a fun way to get to know each other.

This year's activities included many virtual events like Founder's Day, Annual EE Town Hall, game nights, and socials.
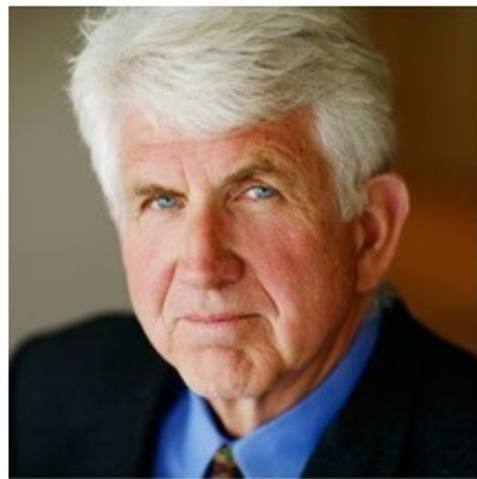
Founder's Day

At UNT it has become a tradition to honor the founders of Eta Kappa Nu with a celebration of their hard work and a retrospective look at our hard work over the last year. Due to COVID-19, this year's Founder's Day was held virtually centered around the HKN experience and an online social meet up after the event, where members discussed the last year's events and got a chance catch up with each other.

Celebrate Founders Day with us at the

IEEE-Eta Kappa Nu
HKN Experience

https://hkn.ieee.org/get-involved/2020-hknx-registration/

Bob Metcalfe 2pm
October 28, 2020

It was particularly appropriate in many of our members' opinions that IEEE-HKN Eminent Member Bob Metcalfe spoke on Founder's Day. It was the consensus at the meet up that we wanted to go after speakers of Metcalfe's caliber and all our members were looking forward to attending IEEE-HKN Eminent Member Len Kleinrock's event.

Annual EE Town Hall
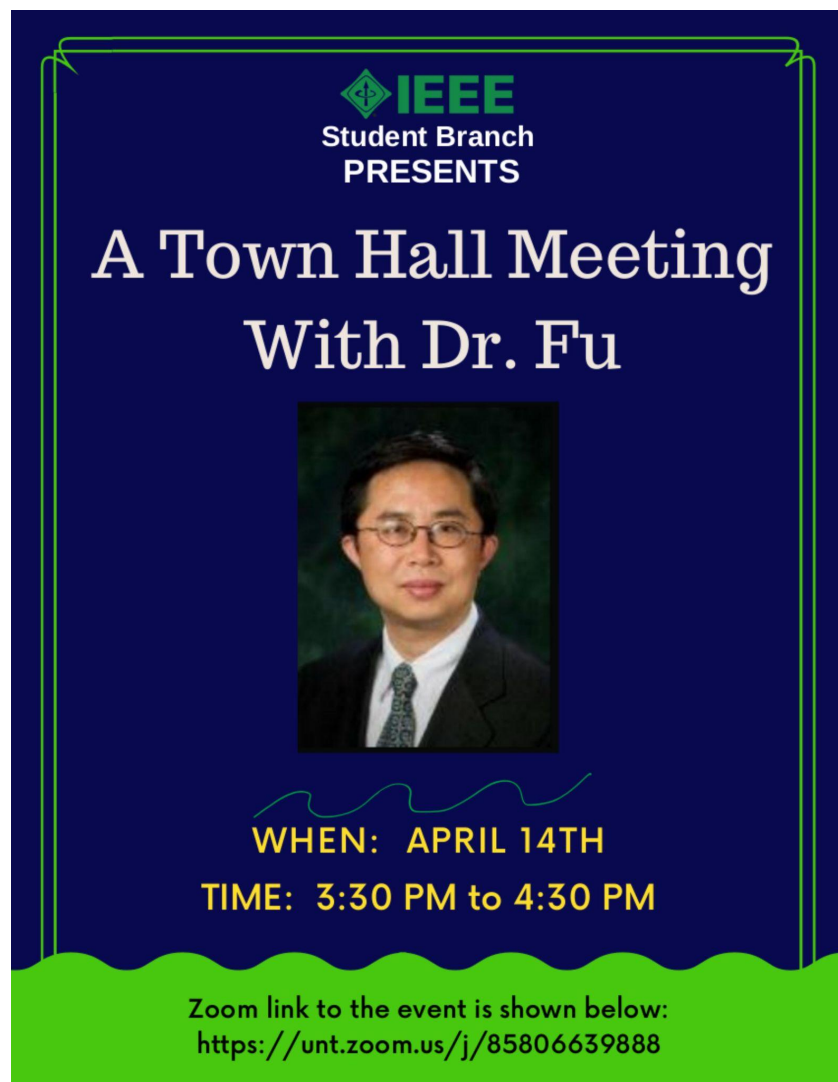
HKN Lambda Zeta and IEEE annually host a town hall to bridge any disconnect between UNT EE students and the Chair of the EE Department. Students talk to the Chair about what they feel are important topics and ideas. The Chair also informs students with reasoning behind big department decisions and vision going forward. The annual town hall was, once again, very productive in bridging the gap between the department and its students, having particular importance in the virtual COVID-19 school year.

Virtual Game Nights

Many of our members were getting burned out from constant isolation and schoolwork. They were missing all the interactions between each other that normally happened outside of class that helped to increase morale and motivation to keep going. To help facilitate a time for our members to interact with each other and relax from schoolwork, we hosted several game nights throughout the year. The game night in the Fall semester was Among Us, a popular game where the crew members have to determine who the imposter is, before the imposter kills everyone. In the Spring semester, everyone played Spellbreak, which provided an interesting take on the popular battle royale genre.

Virtual Socials

To continue strengthening our community and to provide an opportunity for networking, we hosted several virtual socials.

The first social was hosted during North Tech-SAS and all attendees were invited to attend. The social was hosted in the Mozilla Hubs environment to allow everyone to move around and meet new people, all while exploring the environment.

Following on the previous success, a social was hosted on St. Patrick's Day. Members were invited to attend and encouraged to turn on their video cameras to engage with each other.

Official Business

General Meetings

Lambda Zeta hosted general meetings throughout the school year to inform our members on upcoming events and opportunities. During these meeting updates were given to our members from the executive officers and all members were encouraged to seize opportunities to help with projects! This last year we had many new and old members volunteer for several supplementary tasks required due to the virtual world we had to function in. The HKN membership in its wisdom knew the importance of the events in such a situation and persevered to help the IEEE student branch and its societies make it through this troubling year.

Officer Meetings

Officer meetings were held on a weekly basis during the semester to organize and plan for upcoming events. Officers created and worked with special task committees to oversee the completion of projects.
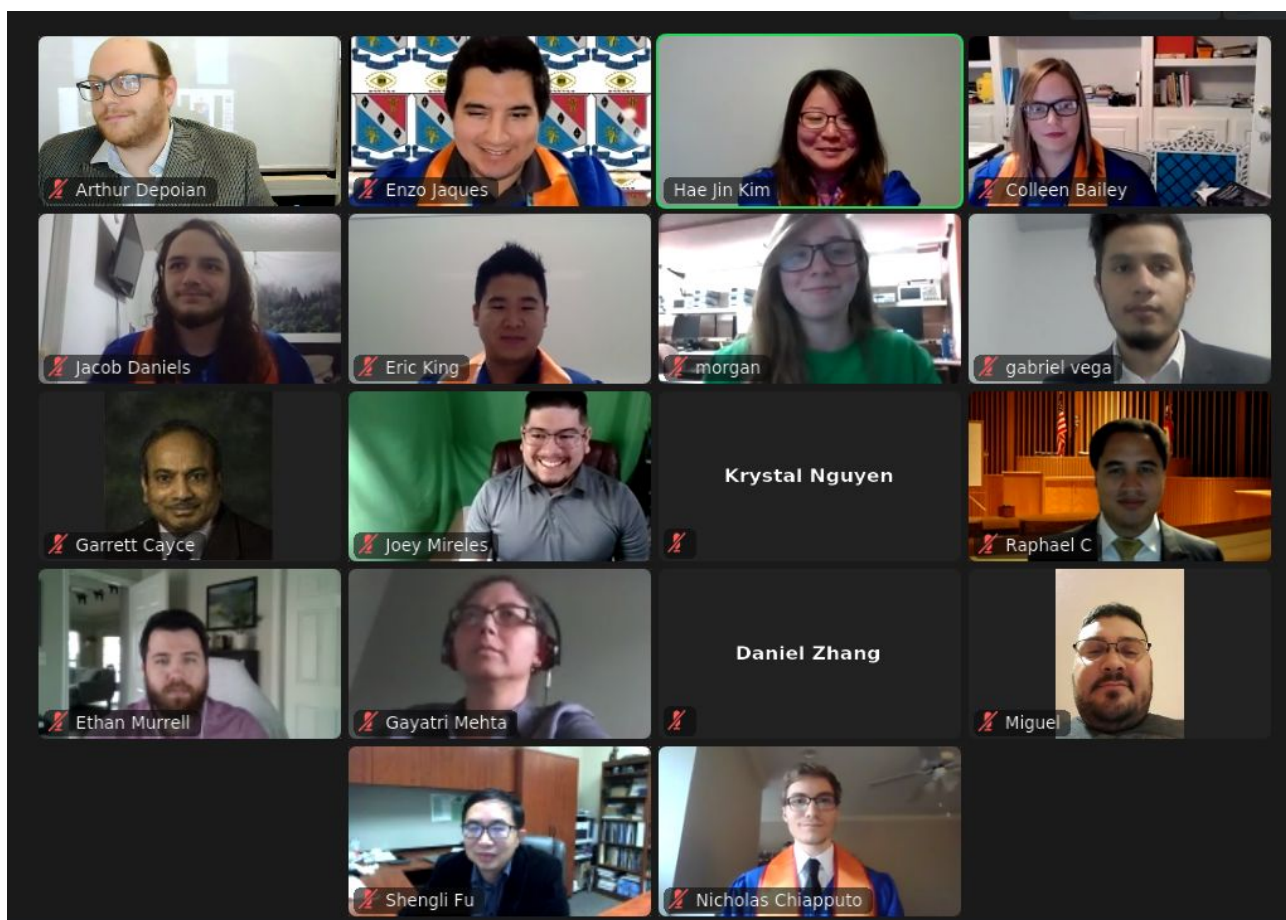
Induction Fall 2020

Inductees

Morgan Novak   Gabriel Vega   Miguel Rivera

Raphael Chabaneix

Induction Spring 2021

Inductees

Hunter Oliver	Logan Stother	Ruben Alejo Jr.
Hunter Hannah	Nicholas Britain	John Lucas Welch
Ethan Adams	Matthew Britain	Sydney Le
Jeff McPherson	Aliana Rosario De Los Santos	Lawrence Jaques
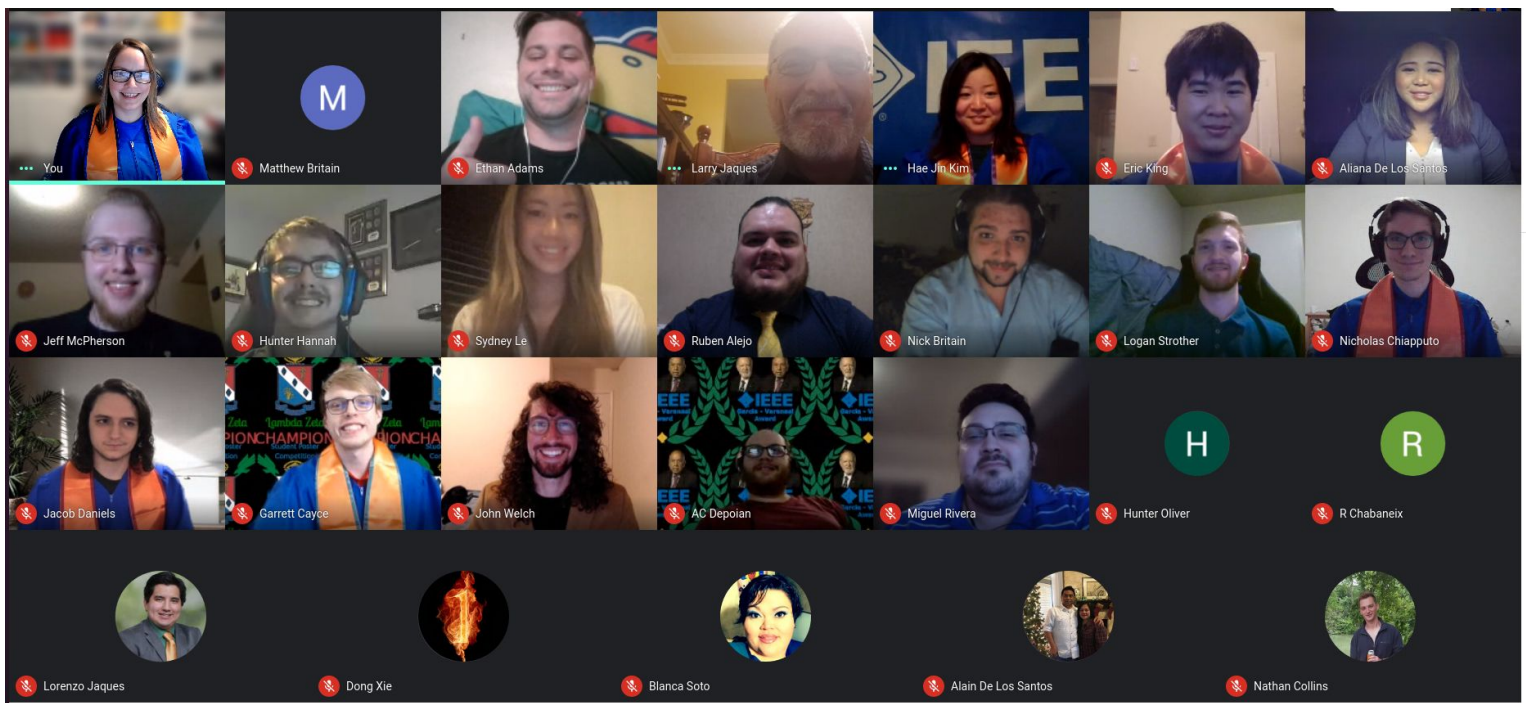
Officers

Fall 2020 - Spring 2021

President
Hae Jin Kim

Vice President
Eric King

Treasurer
Zachary Walker

Corresponding Secretary
Jacob Daniels

Recording Secretary
Nicholas Chiapputo

Officers

Fall 2020 - Spring 2021

President
Garrett Cayce

Vice President
Miguel Rivera

Treasurer
Nicholas Chiapputo

Corresponding Secretary
Aliana Rosario De Los Santos

Recording Secretary
John Lucas Welch

Hours Donated

Events	Hours
Study Halls (Fall and Spring Totals)	322.5
Recitation (Fall and Spring Totals)	139
LaTeX Resume Workshop Fall	50
Introduction to Microcontrollers	40
Industry Resume Review Workshop Fall	32
Introduction to Python	40
Fall 2020 Induction Ceremony	24
2020 Founder's Day	15
HKN Virtual Experience	180
Professional Speaker: Chad Kidder	28
Introduction to Linux	35
HKN General Meeting	7.5
Game Night: Among Us	20
Student Orientation and Advising	20
IEEE STEP Event	21

Hours Donated

Events	Hours
Chipotle	21
Mellow Mushroom	21
First Student General Body Meeting	15
Spring Second General Body Meeting	14
LaTeX Resume Workshop Spring	50
Industry Resume Review/Q&A	26
North Tech-SAS	1458
Future Innovator's Workshop	200
Third General Student Body Meeting	12
Game Night: Spellbreak	40
Future Innovator's Workshop Makeup Sessions	60
Senior Design Prep	13
HKN Inductions	35
HKN Election Results Meeting	7.5
Dr. Fu Town Hall	40
Total	2986.5